

Druck Handheld Pressure Indicator

- Ranges from 1 to 10,000 PSI
- $\pm 0.1\%$ Accuracy
- 16 Engineering Units
- Rugged and Lightweight

Designed for one-handed operation, this new pressure indicator combines a rugged design with 0.1% measurement accuracy. It has many of the features you need for routine testing and maintenance:

- Impact resistant and sealed to IP54
- No warm up time
- 60 second leak test built-in
- Push button zero
- Tare/offset up to 100% of range
- Filter mode provides stable readings of unstable pressures

We offer models with internal sensors up to 300 PSIG, and with external sensors up to 10,000 PSIG. Ranges not shown are available by special order. Combine this with one of our hand pumps or kits to provide a complete low cost solution to complement your higher end calibration tools.



Specifications

Accuracy:	$\pm 0.1\%$ FS including linearity, hysteresis, and repeatability
Temperature Effect:	$\pm 0.01\%$ Rdg/ $^{\circ}$ F
Engineering Units:	PSI, BAR, mBAR, mH ₂ O, inH ₂ O (4 $^{\circ}$ and 20 $^{\circ}$ C), ftH ₂ O (4 $^{\circ}$ and 20 $^{\circ}$ C), inHg, mmHg, mHg, Pa, hPa, kPa, MPa, kgf/cm ² , and one user definable scale
Pressure Connections:	External sensor 1/4" FNPT; internal sensor 1/8" FNPT
Media Compatibility:	Differential low side – clean dry gasses Differential high side – non corrosive liquids or gasses Gauge and absolute sensors – materials compatible with stainless steel
Power Supply:	3 AA alkaline batteries, approx. 300 hrs use
Size/Weight:	7.6 x 3.6 x 1.5"/1 lb

Ordering Information

Order #	Mfg #	Description	Price
MP23943P-1D	DPI 705-1PSID	Digital Pressure Gauge, 1 PSID	
MP23943P-3D	DPI 705-3PSID	Digital Pressure Gauge, 3 PSID	
MP23943P-15D	DPI 705-15PSID	Digital Pressure Gauge, 15 PSID	
MP23943P-10G	DPI 705-10PSIG	Digital Pressure Gauge, 10 PSIG	
MP23943P-30G	DPI 705-30PSIG	Digital Pressure Gauge, 30 PSIG	
MP23943P-100G	DPI 705-100PSIG	Digital Pressure Gauge, 100 PSIG	
MP23943P-300G	DPI 705-300PSIG	Digital Pressure Gauge, 300 PSIG	
MP23943P-30A	DPI 705-30PSIA	Digital Pressure Gauge, 30 PSIA	
MP23950P-100G	DPI705R-100PSIG	Digital Pressure Gauge, 100 PSIG External Sensor	
MP23950P-500G	DPI705R-500PSIG	Digital Pressure Gauge, 500 PSIG External Sensor	
MP23950P-1000G	DPI705R-1000PSIG	Digital Pressure Gauge, 1000 PSIG External Sensor	
MP23950P-2000A	DPI705R-2000PSIA	Digital Pressure Gauge, 2,000 PSIA External Sensor	
MP23950P-3000A	DPI705R-3000A	Digital Pressure Gauge, 3,000 PSIA External Sensor	
MP23950P-5000A	DPI705R-5000PSIA	Digital Pressure Gauge, 5,000 PSIA External Sensor	
MP23950P-10000A	DPI705R-10000PSIA	Digital Pressure Gauge, 10,000 PSIA External Sensor	

NOTE: External sensor models are available in many additional ranges. CALL TRANSCAT
NOTE: For CSA intrinsically safe approval: Add -IS to the order number and \$100 to the price

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Transcat Accredited Calibration without Data	CALL

Pumps, tubing, fitting and pump kits...
are on pages A92-A99.

Find Calibration Labels
on page A24

D

Pressure/Flow Test Instruments

Transmation Digital Pressure Gauge

Built-in switch test mode

- ±0.05% FS Accuracy
- Full 5-digit resolution (99999)
- Ten Selectable Engineering Units
- Switch Test Mode
- Ranges from ±10 "H₂O to 2000 PSI
- 1/8" FNPT Connections

With the CheckMate™ 600 you can test dry-contact (non-powered) pressure switches for trip points on both rising and falling pressures. Test both normally-open and normally-closed switches. The display freezes the pressure reading until the "reset" button is pressed.

Each Unit Includes: Four AA batteries, test leads, and carrying case.

Ordering Information

Order #	Mfg #	Description	Price
MP23415P-10WD	23415P-10WD	CheckMate™ 600, ±10 "H ₂ O	
MP23415P-10	23415P-10	CheckMate™ 600, 10 PSID	
MP23415P-30	23415P-30	CheckMate™ 600, 30 PSID	
MP23415P-100	23415P-100	CheckMate™ 600, 100 PSID	
MP23415P-300	23415P-300	CheckMate™ 600, 300 PSIG	
MP23415P-1K	23415P-1000	CheckMate™ 600, 1000 PSIG	
MP23415P-2K	23415P-2000	CheckMate™ 600, 2000 PSIG	
MP5950P	5950P	Low Pressure Pump/Fitting Kit 200 PSI	
MP5954P	5954P	High Pressure Pump/Fitting Kit	

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Transcat Accredited Calibration without Data	CALL

The 23415P is the first digital gauge to incorporate a switch test circuit



Specifications

Engineering Units:	PSIG, kPa, Pa, BAR, mBAR, kgf/cm ² , "Hg, mmHg, "H ₂ O, mmH ₂ O
Media Compatibility:	Range ±10 "H ₂ O: Dry air only; Ranges 10–100 PSI: for liquids and gasses compatible with glass, ceramic, silicon, RTV, and nickel; Ranges 300 to 2000 PSI: Any media compatible with 316SS
Size/Weight:	6.23 x 3.27 x 1.94"/12 oz

Meriam Manometer

- ±0.25% Rdg + 5 Digits (22°C) (Includes Effects of Linearity, Hysteresis and Repeatability)
- Gauge, Absolute, Vacuum, and Differential Pressure Ranges Available
- Ranges from 20 "H₂O to 100 PSIG
- 4 1/2-Digit LCD
- 1/8" FNPT Connections
- 6.5 x 3.2 x 1.2" HWD/8 oz

Each Unit Includes: 9V alkaline battery and instruction manual.

Specifications and Ordering Information

Order #	Mfg#	Range	Resolution	Price
MP4375P	D0020IW	0–20 "H ₂ O	0.01	
MP4376P	D0200IW	0–200 "H ₂ O	0.01	
MP4377P	D1000IW	0–1000 "H ₂ O	0.1	
MP4378P	D0010P	0–10 PSI	0.001	
MP4379P	D0030P	0–30 PSI	0.01	
MP4380P	D0100P	0–100 PSI	0.01	
MP4381P	D0050MB	0–50 mBAR	0.01	
MP4382P	D0500MB	0–500 mBAR	0.1	
MP4383P	D2000MB	0–2000 mBAR	0.1	
MP4384P	D0007B	0–7 BAR	0.001	
MP4385P	A0030P	0–30 PSIA	0.01	
MP4386P	A1500MH	0–1500 mm HgA	0.1	
MP4387P	A0060IH	0–60 "HgA	0.01	
MP6215P	6215P	Hand Pump/Pressure		
MP4238P	4238P	Hand Pump/Vacuum		
MP6218P	6218P FITTINGS KIT	Tubing and Fittings		
MP4498P	A34957	Attache Case		
MP4499P	B900950-00001	Soft-Sided Case		

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Transcat Accredited Calibration without Data	CALL



Hand pumps, tubing, and fittings

are on pages A92-A99



D1000IW ▲

Meriam Smart Pressure/Level Gauges

Programmable "smart" gauges offer versatility, easy configuration, high accuracy

- Pressure Models Measure Differential, Gauge, Vacuum, or Absolute Pressure
- Level Models Display Tank Level in Volumetric or Mass Units
- NIST-Traceable Accuracy of $\pm 0.05\%$, Includes Combined Effects of Linearity, Repeatability, Hysteresis, and Temperature
- Selectable Engineering Units
- Standard Models Powered Via 110/220 VAC or 24 VDC, Have RS-232-C Port and Two SPDT Setpoint Relays. Other Power Options Available
- 1/4 DIN Aluminum Enclosure with Durable Epoxy Finish, NEMA 4X Enclosure Rating

D

5828P, 5829P, 5830P measure pressure directly through a 1/8" FNPT input port. Use them as test-bench gauges, for gas-flow measurement or leak testing, etc. The 5832P can be configured for linear or non-linear tanks; use it in bubbler systems or for direct head measurement on pressurized or vented tanks. Displays tank level in volumetric or mass units based on the hydrostatic head pressure of the tank fluid.

Each Unit Includes:

Manufacturer's NIST traceable certificate and instruction manual.



▲ The 5828P is easy to read and operate

This gauge series is offered in two models. One for pressure, and one for tank-level measurements. A choice of outputs make them ideal for control, recording, and logging—as well as indicating—applications. Pressure instruments are available in differential, gauge, absolute, and vacuum ranges. Gauge and absolute models have isolated sensors, differential models are non-isolated. Level-measuring instruments offered in non-isolated differential and isolated gauge-pressure versions.

Specifications

Ranges:	0-200 "H ₂ O to 0-2000 PSI
Accuracy:	$\pm 0.05\%$ of Full Scale, including combined effects of linearity, repeatability, hysteresis, and temperature
Pressure Limits:	2X on absolute and gauge units; 2X on differential units when pressurized on high side only, 150 PSI (10.5 kg/cm ²) static when applied to both sides of the sensor simultaneously
Media Compatibility:	Clean, dry, non-corrosive gases only, non-isolated sensors; fluids compatible with 316SS, isolated sensors
Display:	4 1/2-digit LCD 0.6" high
Selectable Engineering:	
Pressure Models:	PSI, kPa, "H ₂ O, cm H ₂ O, kg/cm ² , BAR, mBAR, "Hg, mmHg, user-defined
Tank-Level Models:	Gallons, liters, cu. meters, cu. ft, kg, lb, percent full, "H ₂ O, user-defined
Process Connection:	1/8" female NPT, 316SS
Operating Temperature:	23 to +122°F (-5 to +50°C)
Power Supply:	
Standard:	Selectable 110/220V AC or 24V DC
Options:	Opt. B: lithium battery unit with field-replaceable battery board and user-defined auto shut-off (no outputs available with this option); Opt. L: 24 VDC
Outputs:	
Standard:	RS-232-C and two SPDT setpoint relays rated 1A resistive @ 24 VDC, 0.5A resistive @ 115 VAC
Optional:	Power Opt. L: 4-20 mA and RS-232-C only
Size/Weight:	1/4 DIN (3.8 x 3.8 x 6.5" HWD)/4 lb
Enclosure:	Aluminum epoxy-finished case; standard unit is NEMA 4X on front panel only, battery-powered and 4-20 mA units are NEMA 4X throughout

Ordering Information

Order #	Description	Price
MP5828P-20	Differential/Gauge Vacuum Indicator, 0-20 "H ₂ O	
MP5828P-1	Differential/Gauge Vacuum Indicator, 0-200 "H ₂ O	
MP5828P-2	Differential/Gauge Vacuum Indicator, 0-2000 "H ₂ O	
MP5829P-3	Gauge Only Indicator, 0-20 PSIG Isolated	
MP5829P-4	Gauge Only Indicator, 0-200 PSIG Isolated	
MP5829P-5	Gauge Only Indicator, 0-2000 PSIG Isolated	
MP5830P-7	Absolute Indicator, 0-2000 mmHgA Isolated	
MP5832P-1	Level Indicator, Differential, Non-Isolated, 0-200 "H ₂ O	
MP5832P-2	Level Indicator, Differential, Non-Isolated, 0-2000 "H ₂ O	
MP5833P	Soft-Sided Nylon Carrying Case	
MP-P	Portable Option with Handle and Bench Stand	
MP-B	Lithium Battery Option (see specifications)	
MP-L	24 VDC Power Option with 4-20 mA Output (see specifications)	

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Transcat Accredited Calibration without Data	CALL

Don't forget to order the nylon carrying case.

Pressure/Flow Test Instruments

Meriam Smart and Precision Manometers

High accuracy, enhanced functions, and ranges to meet virtually any application

This family of hand-held, highly accurate manometers offers ranges and functions to meet nearly any pressure-measuring need. The 21047/48/49P series "smart" units are excellent low-cost, general-purpose test gauges. Available for gauge, absolute, differential, and vacuum (with optional pump) pressure. Differential sensors are non-isolated, while gauge and absolute sensors are isolated.

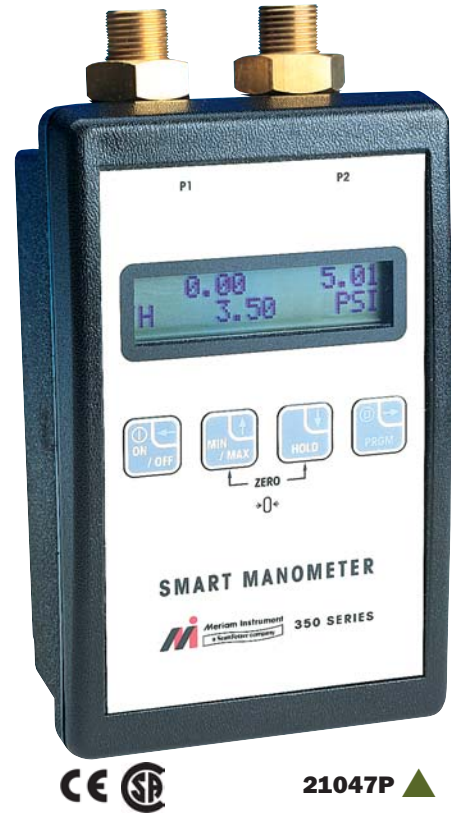
- Selectable Engineering Units; 21047/48/49P Also Feature User-Defined Scaling
- $\pm 0.05\%$ FS Accuracy Includes Effects of Linearity, Repeatability, Hysteresis, and Temperature
- Adjustable Damping Eliminates Effects of Pulsating Pressures, Min/Max Captures Signal Extremes, Hold Button (21047/48/49P only) Freezes Display at Any Selected Point
- Differential-Pressure Versions Include Flow Function that Displays Flow Rate in User-Defined Units
- Isolated Sensors are 316SS, Compatible with Liquids and Corrosives; Non-Isolated Sensors are Compatible with Clean, Dry Non-Corrosive Gases
- Standard Units are CE Compliant and CSA Intrinsically Safe

24463P and 24465P are precision absolute-pressure manometers with these additional features:

- $\pm 0.02\%$ FS or Better Accuracy
- Tare Function Enables Vacuum and Gauge Measurements
- Altitude Function Lets You Enter Site Altitude in Feet or Meters, then Display Either Local Barometric Pressure or Pressure Corrected to Sea Level. Also Used to Measure Changes in Altitude (Perfect for Surveying Applications)
- Adjustable-Contrast Display for Easier Viewing
- CSA Intrinsic Safety Approval Optionally Available

Each 21047P/21048P/21049P Includes: 9V alkaline battery and operating instructions.

Each 24463P/24465P Includes: 9V alkaline battery, soft vinyl carrying case, and operating instructions.



21047P ▲

D

Pressure/Flow Test Instruments

Specifications

	21047P/21048P/21049P	24463P/24465P
Ranges:	See ordering information below	
Accuracy:	$\pm 0.05\%$ FS	24463P: $\pm 0.02\%$ FS; 24465P: $\pm 0.015\%$ FS, 0 to 1000 mm Hg, $\pm 0.025\%$ FS, 1000 to 2000 mm Hg
Display:	5-digit alphanumeric LCD, 2 lines x 16 characters	5-digit alphanumeric LCD, 2 lines x 16 characters, with adjustable contrast
Engineering Units:	"H ₂ O (3 choices of reference temperature), PSI, mmHg, "Hg, mBAR, BAR, kPa, kg/cm ² , cm H ₂ O, user-defined scaling	"H ₂ O (3 choices of reference temperature), PSI, mmHg, "Hg, mBAR, BAR, kPa, kg/cm ² , cmH ₂ O, mmHg, PSI, "Hg, mBAR, BAR, kPa, Torr
Process Connection:	1/8" female NPT, 316SS	
Operating Temp.:	23 to 122°F (-5 to +50°C)	
Power Supply:	9V alkaline battery (lithium recommended for use below 32°F/0°C)	
Size/Weight:	6.5 x 3.6 x 2.25" HWD/14 oz	

Ordering Information

Order #	Description	Price
MP21047P-20	Smart Manometer, 20 "H ₂ O Differential, Non-Isolated	
MP21047P-200	Smart Manometer, 200 "H ₂ O Differential, Non-Isolated	
MP21047P-2K	Smart Manometer, 2000 "H ₂ O Differential, Non-Isolated	
MP21048P-20	Smart Manometer, 20 PSIG, Isolated	
MP21048P-200	Smart Manometer, 200 PSIG, Isolated	
MP21048P-2K	Smart Manometer, 2000 PSIG, Isolated	
MP21049P-2K	Smart Manometer, 2000 mm Hg Absolute, Isolated	
MP24463P	Precision Absolute Manometer, 0 to 900 mm HgA	
MP24463P-CSA	Precision Absolute Manometer, 0 to 900 mm HgA, CSA Approved	
MP24465P	Precision Absolute Manometer, 0 to 2000 mm HgA	
MP24465P-CSA	Precision Absolute Manometer, 0 to 2000 mm HgA, CSA Approved	
MP24466P-CS	ABS Carrying Case	
MP5845P-1	Padded Carrying Case for Manometer with Tubing and Fittings	
MP5854P-3	High-Pressure Tubing and Fittings, 3000 PSI	
MP6218P	Tubing and Fittings, 300 PSI	
MPU9VL-J-PC	9V Lithium Battery	
MP6215P	Low Pressure, 200 PSI pump	
MP4238P	Vacuum Pump	

NOTE: See pages A92-A99 for other hand pumps and kits.

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Druck Pressure Indicator

- Standard and Enhanced-Accuracy Models
- Very High Resolution
- Bench or DIN-Standard Panel Mount

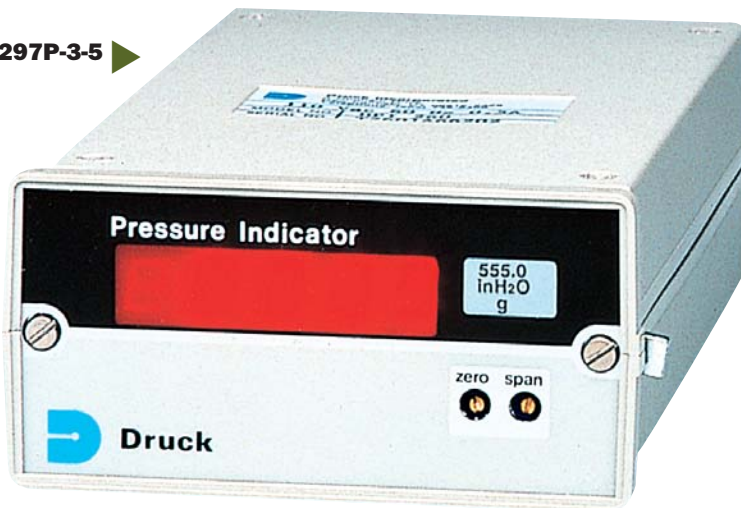
Extremely Wide Choice of Ranges, Engineering Units and Accuracies

This series of indicators can be calibrated in PSI, kPa, and inches of water, in both gauge pressure and absolute pressure versions. Standard accuracy is $\pm 0.08\%$ of Full Scale; enhanced accuracy is $\pm 0.04\%$. These indicators emulate an analog pressure gauge. The pressure transducer is mounted internally and the media to be measured is brought to a $\frac{1}{8}$ " NPT fitting on the unit's rear panel. The bright 4½-digit LED provides unambiguous readout and up to 0.005% resolution.

Dozens of Unlisted Models Also Available

These instruments are available in many other configurations, including non-standard and differential pressure ranges, remote transducers, calibration in other engineering units, various analog and digital outputs, and ranges up to 10,000 PSI. Please contact Transcat for more information.

4297P-3-5



Insert Engineering Unit code 1, 2, 3, or 6 into [A]

Insert Accuracy code 4 or 5 into [B]

Specifications

Ranges:	See range table
Standard Accuracy:	Ranges: 0–1 PSI through 0–900 PSI, $\pm 0.08\%$ of FS
Enhanced Accuracy:	Ranges: 0–1 PSI through 0–500 PSI, $\pm 0.04\%$ of FS Range: 0–900 PSI, $\pm 0.06\%$ of FS
Resolution:	$\leq 0.005\%$ of FS
Input Signal Range:	10–200 mV nominal for 19999 max display
Zero Offset:	± 19999 , internal switch selectable
Temp. Coefficient:	$< 0.0025\%$ of reading/ $^{\circ}$ F
Long Term Stability:	$< 0.02\%$ of Full Scale/year
Overpressure Protection:	x10 for 1 PSI and 2.5 PSI models; x6 for 2.5 PSI and 5 PSI models; x4 for 5 PSI to 900 PSI models; x2 for 1000 PSI
Positive Pressure Media:	For gauge pressure models; fluids or gases compatible with quartz and titanium; for absolute pressure models, fluids or gases compatible with 316 stainless steel and Hastelloy Reference
Pressure Media:	Dry, non-corrosive, non-conducting gases
Pressure Input:	$\frac{1}{8}$ " FNPT
Power Supply:	110 or 240 VAC, 50–400 Hz, 3V A max
Size/Weight:	1.89 x 3.78 x 6.89" HWD/1.1 lbs

Specifications and Ordering Information

Order #	Insert In [A]			Insert in [B]	
	Range PSI Code 1	Range kPa Code 2	Range "H ₂ O Code 3	Standard $\pm 0.08\%$ Code 4	Enhanced $\pm 0.04\%$ Code 5
Gauge Pressure					
MP4292P -[A]-[B]	0–1	0–10	0–30		
MP4293P -[A]-[B]	0–2.5	0–20	0–70		
MP4294P -[A]-[B]	0–5	0–35	0–140		
MP4295P -[A]-[B]	0–10	0–70	0–275		
MP4296P -[A]-[B]	0–15	0–100	0–420		
MP4297P -[A]-[B]	0–20	0–140	0–555		
MP4298P -[A]-[B]	0–30	0–200	0–830		
MP4299P -[A]-[B]	0–50	0–350	—		
MP4300P -[A]-[B]	0–100	0–670	—		
MP4301P -[A]-[B]	0–150	0–1030	—		
MP4302P -[A]-[B]	0–200	0–1400	—		
MP4303P -[A]-[B]	0–300	0–2100	—		
MP4304P -[A]-[B]	0–500	0–3450	—		
MP4305P -[A]-[B]	0–900	0–6200	—		
Absolute Pressure					
	PSI	kPa	mmHgA Code 6		
MP4307P -[A]-[B]	0–5	0–35	0–260		
MP4308P -[A]-[B]	0–10	0–70	0–520		
MP4309P -[A]-[B]	0–15	0–100	0–760		
MP4310P -[A]-[B]	0–20	0–140	0–1040		
MP4311P -[A]-[B]	0–30	0–200	0–1550		
MP4312P -[A]-[B]	0–50	0–350	—		
MP4313P -[A]-[B]	0–100	0–670	—		
MP4314P -[A]-[B]	0–150	0–1030	—		
MP4315P -[A]-[B]	0–300	0–2100	—		
MP4316P -[A]-[B]	0–500	0–3450	—		
MP4317P -[A]-[B]	0–900	0–6200	—		

Accessories

Order #	Mfg #	Description	Price
MP4319P		Bench Stand	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

Ashcroft Digital Pressure Indicators

- Single- or Dual-Sensor Models
- RS-232-C Interface with Baud Rates to 9600
- 0.1%, 0.05%, or 0.025% Span Accuracy
- Gauge/Differential 0.1% and 0.06%
- Adjustable Damping Levels

The 21115P digital indicators combine the latest in microprocessor and pressure sensor technology. This digital indicator is available in ranges from 0.25 inches of water through 10,000 PSI. Available in gauge, absolute, and differential pressure types, as well as vacuum, and ranges in both isolated and non-isolated configurations.

A single PT instrument can simultaneously display readings from one, or optionally, two installed pressure sensors.

All models include user-selectable engineering units, min/max recall, tare, programmable damping, display hold, an operator-configurable interface, and a push-to-print function for use with the RS-232-C interface. Display any two pressure measurement values in independent engineering units.

All Units Include: 110V line operation, backlit display, handle and panel-mount brackets, 1/8" FNPT input, and instructions.

NOTE: Other options and ranges are available; contact Transcat for more information.



Ordering Instructions

To add the second sensor option, insert the code in the catalog number box. Leave the box blank if you are only ordering a single-range model. In models with two sensors, both must be of the same accuracy.

NOTE: For 220V line operation, add -220 to the catalog number.

Ordering Information

Range	Order #	Price (0.1%)	Order #	Price (0.05%)	Order #	Price (0.025%)
Non-Isolated						
0-100 "H ₂ O	MP21115P-100-□		MP21126P-100-□		—	—
0-150 "H ₂ O	MP21115P-150-□		MP21126P-150-□		—	—
0-200 "H ₂ O	MP21115P-200-□		MP21126P-200-□		—	—
Isolated						
-15 to 30 PSIG	MP21116P-1-□		MP21127P-1-□		MP21129P-C-□	
15 PSIG	MP21117P-1-□		MP21128P-1-□		MP21129P-1-□	
30 PSIG	MP21117P-3-□		MP21128P-3-□		MP21129P-3-□	
60 PSIG	MP21117P-4-□		MP21128P-4-□		MP21129P-4-□	
100 PSIG	MP21117P-5-□		MP21128P-5-□		MP21129P-5-□	
100 PSIA	MP21117P-7-□		MP21128P-7-□		MP21129P-7-□	
500 PSIG	MP21117P-9-□		MP21128P-9-□		MP21129P-9-□	
1000 PSIG	MP21117P-11-□		MP21128P-11-□		MP21129P-11-□	
2000 PSIG	MP21117P-13-□		MP21128P-13-□		MP21129P-13-□	
2500 PSIG	MP21117P-15-□		MP21128P-15-□		MP21129P-15-□	

Specifications

Media Compatibility:	Ranges to 200 "H ₂ O: clean, dry non-conductive gases; ranges above 10 PSI: liquids and gases compatible with 316SS
Engineering Units:	PSI, mmHg, "H ₂ O, cmH ₂ O, kg/cm ² , BAR, mBAR and kPa
Repeatability:	±0.01% of span (PSI ranges) typical; ±0.01% of span (1-200 "H ₂ O); ±0.02% of span (below 1 "H ₂ O)
Resolution:	±0.002% of span (max)

Specifications

Second Sensor's Range	Code	Price Adder (0.1%)	(0.05%)	(0.025%)
Non-Isolated				
0-100 "H ₂ O	100			—
0-150 "H ₂ O	150			—
0-200 "H ₂ O	200			—
-15 to 30 PSIG	-4			
Isolated				
15 PSIG	-6			
30 PSIG	-8			
60 PSIG	-9			
100 PSIG	-10			
100 PSIA	-12			
200 PSIA	-13			
500 PSIG	-14			
1000 PSIG	-16			
2000 PSIG	-18			
2500 PSIG	-20			

Transcat Accredited Calibration with Data
Transcat Accredited Calibration without Data

CALL
CALL

Meriam Merigauge Digital Pressure Gauge

- Accuracy of $\pm 0.25\%$ FS (3900); $\pm 0.10\%$ FS (3910)
- Battery or 24V DC Powered
- 4–20 mA Output (Optional)
- Adjustable SPDT Relay Outputs (Optional)
- Isolated Sensor Compatible with 316SS
- User Selectable Bar Graph
- Diaphragm Seals are Available for Pharmaceutical Applications
- Selection of Engineering Units: PSIG, Ft.H₂O, "H₂O (60°F, 20°C, 4°C), "Hg, BAR, mmHg, kPa and User Selectable Units
- Shutoff Timer: Selectable from Off to 50 Minutes
- Min/Max: Capture and Display Pressure Extremes
- Damping: Selectable from Off to 50 Seconds
- Model 3910 with Higher Accuracy



3900

Specifications

Display:	4½" digit LCD, 0–100% vertical bargraph
Power:	Standard: Two 9V alkaline batteries (included) Options: Lithium batteries for use below 32°F (0°C); 24V DC or 100V AC with optional adaptor
Enclosure:	NEMA 4, 304 SS
Process Connection:	¼" male NPT, 316 SS
Operating Temperature:	32°F to 140°F (0°C to 60°C)

B — Pressure Range

-GI0010	Digital Pressure Gauge 0–10 PSIG
-GI0050	Digital Pressure Gauge 0–50 PSIG
-GI0100	Digital Pressure Gauge 0–100 PSIG
-GI0500	Digital Pressure Gauge 0–500 PSIG
-GI1000	Digital Pressure Gauge 0–1000 PSIG
-GI1500	Digital Pressure Gauge 0–1500 PSIG
-GI3000	Digital Pressure Gauge 0–3000 PSIG
-GI5000	Digital Pressure Gauge 0–5000 PSIG
-GI6000	Digital Pressure Gauge 0–6000 PSIG
-V10050	Digital Compound Gauge VAC to 50 PSIG

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Transcat Accredited Calibration without Data	CALL

Ordering Information

Insert Options in part number boxes (add option amount to gauge base price)								
A	-	B	-	1	-	2	-	3
A	MP3900	Digital Pressure Gauge $\pm 0.25\%$ of full scale						
	MP3910	Digital Pressure Gauge $\pm 0.10\%$ of full scale						
1	01	Pipe Mount Battery Power						N/C
	02	Pipe Mount External Power (requires power/output options)						N/C
	03	Panel Mount Battery Power						
	04	Panel Mount External Power (requires power/output option)						
2	1	Battery Power						N/C
	2	24 VDC Power (2-Wire)						
	3	4–20 mA Output (2-Wire)						
	4	24 VDC, 4–20 mA (4-Wire)						
	5	24 VDC, 2 relay outputs						
	6	24 VDC, 2 relay outputs, 4–20 mA						
3	00	No Approval						N/C
	01	CE Approval (Battery Option Only)						N/C
	02	CSA/Intrinsically Safe (Battery Option Only)						
MPU9VL-J-PC		Lithium Battery (2 required)						
* Class 1, Div. 1, Groups A, B, C & D								

Meriam Mini Digital Pressure Gauge

- Pressure Ranges to 10,000 PSIG
- Accuracy: $\pm 1\%$ of FS at Calibrated Temperature
- 4½"-Digit LCD
- One 9V Alkaline Battery (included)
- Custom Molded ABS Plastic Housing Enclosure
- 2X FS Range Over-Pressure Limits
- Isolated Sensor for Process Compatible with 17-4 pH Stainless Steel
- ¼" Male NPT Connection
- 7 Ounces
- 32°F to 122°F (0°C to 50°C) Operating Temperature

Ordering Information

Order #	Mfg #	Description	Price
MP3800-GI0050	3800-GI0050	Digital Gauge, 0–50 PSIG	
MP3800-GI0100	3800-GI0100	Digital Gauge, 0–100 PSIG	
MP3800-GI0500	3800-GI0500	Digital Gauge, 0–500 PSIG	
MP3800-GI1000	3800-GI1000	Digital Gauge, 0–1000 PSIG	
MP3800-GI1500	3800-GI1500	Digital Gauge, 0–1500 PSIG	
MP3800-GI3000	3800-GI3000	Digital Gauge, 0–3000 PSIG	
MP3800-GI6000	3800-GI6000	Digital Gauge, 0–6000 PSIG	
MP3800-GI0000	3800-GI0000	Digital Gauge, 0–10,000 PSIG	

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Transcat Accredited Calibration without Data	CALL



3800

NEW Crystal Engineering Digital Test Gauges

Rugged Innovative Design

- Accuracy $\pm 0.1\%$ Reading
- Nine (9) Selectable Engineering Units
- Full 5-Digit LCD Display
- SS Case, Sensor and Filter Meet NEMA4 and IP66
- Liquids and Gasses Compatible with 316SS
- Stores Peak High and Low Values
- Temperature Compensated from -10°C to 50°C
- Runs for 1500 Hours on Three AA Alkaline Batteries
- 4.4" Diameter and Weighs 500g (17.6 oz)
- $\frac{1}{4}$ " MNPT Connections
- Standard DB9 RS232 output



Specifications

Accuracy Pressure	20% to 100% of Full Scale: $\pm(0.1\%$ of Reading) 0 to 20% of Full Scale: $\pm(0.02\%$ of Full Scale)
Vacuum	0 to -14.5 PSIG (-99.9 kPa): $\pm(0.25\%$ of Full Scale), where FS = -14.5 PSIG (-99.9 kPa)
Engineering Units	PSI, kPa, kg/cm ² , "Hg, "H ₂ O, mmHg, mmH ₂ O, BAR, mBAR
Safe Overpressure	1.5 to 6x FS depending on range
Temperature	-10°C to 50°C (14°F to 122°F) Operating & Compensated
Connections	Pressure Connection: 1/4 male NPT
Media Compatibility	Liquids and gases compatible with 316 stainless steel
Power	Three size AA (RS6) batteries
Battery Life:	1500 hours typical (alkaline battery)
Low Battery Indicator:	Displayed battery icon
Enclosure	300 series SS sealed to NEMA4/IP66
Weight:	500g (17.6 oz.), including batteries

Ordering Information

Catalog #	Model #	Max PSI	Description	Price
MPXP2-15	15PSIXP2	100	VAC to 15 PSI Digital Gauge	
MPXP2-30	30PSIXP2	100	VAC to 30 PSI Digital Gauge	
MPXP2-100	100PSIXP2	200	VAC to 100 PSI Digital Gauge	
MPXP2-300	300PSIXP2	600	VAC to 300 PSI Digital Gauge	
MPXP2-500	500PSIXP2	1000	500 PSI Digital Gauge	
MPXP2-1K	1KPSIXP2	2000	1,000 PSI Digital Gauge	
MPXP2-2K	2KPSIXP2	3000	2,000 PSI Digital Gauge	
MPXP2-3K	3KPSIXP2	5000	3,000 PSI Digital Gauge	
MPXP2-5K	5KPSIXP2	7500	5,000 PSI Digital Gauge	
MPXP2-10K	10KPSIXP2	15000	10,000 PSI Digital Gauge	

Standard configuration is no flange, bottom fitting
Options: For Rear Port add -RP to the part number

Furness Precision Pressure Indicator

- Calibrated Accuracy: 0.0% of Reading ± 1 Digit
- Ranges: .00004" to .8" and .004" to 8 "H₂O
- Robust, Portable and Self Contained
- On-Site or Test Bench Use

Specifications

Settling Time	0.5 sec to less than one digit
Overload	10x full range
Maximum Static Pressure	150 PSI
Digital Signal Meter	± 24 VDC & ± 24 mA with 4 3/4 digit display
Accuracy	0.05% of reading ± 1 digit
Media Compatibility	Dry non corrosive gases, 0 to 95% relative humidity non condensing, compatible with construction materials



Ordering Information

Order #	Mfg #	Description	Price
MPPPC500	PPC500	Potable Pressure Calibrator	
MPFC0501	FC0501	Pressure Supply Unit for PPC500	

Furness Precision Low Pressure Indicator

- Range: .00001 to 8.0000 "H₂O
- Accuracy: $<0.1\%$ Reading Down to .08 "H₂O
- Accuracy: $<0.1\%$ FSD from .00001 to .08 "H₂O
- No Limit to Pressure Hold Time
- Not Sensitive to External Volume

Specifications

Linearity @ 20°C	$\pm 0.09\%$ of Reading
Long Term Drift	0.2% FSD/Year
Digital Signal Meter	± 20 VDC & 0-20 mA
Accuracy	0.05% of Reading



Ordering Information

Order #	Mfg #	Description	Price
MPFC0550	FC0550	Low Pressure Calibrator/Controller	

D

Pressure/Flow Test Instruments

3D Instruments, LLC 0.1% Precision Test Gauges

- High Accuracy 0.1% of Span
- Repeatability 0.02% of Span
- Hysteresis 0.1% Span or Less
- Temperature Compensation from: -25°F to 125°F (-32° to 52°C)
- High Resolution 310° Dial
- 5-Year Warranty

Their anti-glare dial face with mirror band provides high resolution and eliminates parallax errors.

All materials used in these precision gauges are selected to be corrosion resistant. All gauges are supplied with a bleed port, and constructed to ensure low friction and long term precision, even in extreme applications involving dust,

vibration, and temperature variation.

Media Compatibility: Gasses or fluids compatible with Ni Span C, 300 series stainless steel and Buna-N may be used. Gauges may be oxygen cleaned.



▲ 22947P

Ordering Information

Order #	Description	Price
MP22947P-□	8.5" Precision Test Gauge, 0.1%	
MP22950P-□	12" Precision Test Gauge, 0.1%	

Codes

Pressure Range Codes				MP22947P (8.5")	MP22950P (12")
PSI	kPa/MPa	kg/cm ²	BAR		
15P	100k	1 kg	1B		
30P	200k	2 kg	2B		
100P	700k	7 kg	7B		
500P	3500k	35 kg	35B		
1000P	7000k	70 kg	70B		
2000P	14M	140 kg	140B		
5000P	35M	350 kg	350B		
15 VAC	Is a 15 to 0 PSI vacuum gauge				
30 VAC	Is a 30 to 0 "Hg vacuum gauge				
760 VAC	Is a 800 to 0 mmHg vacuum gauge				

To Order: Insert the range code to select the desired gauge.

Standard models are provided with a front flange and a 1/4" FNPT back connection.

Contact Transcat for other ranges or fitting and mounting configurations.

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Find Calibration Labels
on page A24



Ashcroft Process Gauges, 4 1/2"

The 5600P is a weatherproof, solid-front, phenolic-case gauge that may be stem- or surface-mounted. Gauges are also available in back-connected versions and with metric ranges. Contact Transcat for ordering information.

Ordering Information

Range	Minor Graduation	Order #	Price
0-15	0.1	MP5600P-1.5	
0-30	0.2	MP5600P-3	
0-60	0.5	MP5600P-6	
0-100	1	MP5600P-10	
0-160	1	MP5600P-16	
0-200	2	MP5600P-20	
0-300	2	MP5600P-30	
0-400	5	MP5600P-40	
0-600	5	MP5600P-60	
0-800	10	MP5600P-80	
0-1000	10	MP5600P-100	
0-1500	10	MP5600P-150	

Compounds: "Hg/PSI

	VAC	Pres	Order #	Price
30/0/15	0.5	0.2	MP5601P	
30/0/30	1	0.5	MP5602P	
30/0/60	1	1	MP5603P	
30/0/100	2	1	MP5604P	
30/0/150	5	2	MP5605P	
30/0/300	5	2	MP5606P	



◀ 5600P-30

Specifications

Dial Size:	4 1/2"
Bourdon and Socket:	316SS
Movement:	Teflon [®] -coated stainless steel
NPT Connection:	1/2", lower